

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Kenneth R. Owens, et al.
Serial No.: 09/692,884
Filing Date: October 20, 2000
Confirmation No.: 6113
Group Art Unit: 2616
Examiner: Jason E. Mattis
Title: METHOD FOR ESTABLISHING AN MPLS DATA
NETWORK PROTECTION PATHWAY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

APPEAL BRIEF

Applicant has appealed to the Board of Patent Appeals and Interferences from the Final Action of the Examiner issued August 22, 2006 finally rejecting Claims 1-24. In response to the Notice of Panel Decision from Pre-Appeal Brief Review issued May 14, 2007, Applicant respectfully submits herewith its brief on appeal.

REAL PARTY IN INTEREST

The present Application was assigned to Tellabs Operations, Inc., a Delaware corporation, as indicated by an Assignment from the inventors recorded on April 13, 2001 in the Assignment Records of the United States Patent and Trademark Office at Reel 011737, Frames 0518-0526.

RELATED APPEALS AND INTERFERENCES

There are no known appeals or interferences that will directly affect or be directly affected by or have a bearing on the Board's decision in this pending appeal.

STATUS OF CLAIMS

Claims 1-24 stand rejected pursuant to a Final Action issued August 12, 2006. Claims 1-24 are all presented for appeal.

STATUS OF AMENDMENTS

A Response to Examiner's Action was filed on March 11, 2004 in response to an Office Action issued January 30, 2004. Claims 1-16 were amended. A Response to Examiner's Final Action was filed on July 22, 2004 in response to a Final Action issued May 24, 2004. No further amendments were made to the claims. A Request for Continued Examination was filed on November 8, 2004 in response to a Final Action issued September 7, 2004. Claims 1-3, 9, 10, 12, and 16 were amended and Claims 17-24 were added. A Response to Examiner's Action was filed on April 26, 2005 in response to an Office Action issued January 26, 2005. Claims 1, 9, 10, 16-18, 20, and 23 were amended. A Response to Examiner's Final Action was filed on September 19, 2005 in response to a Final Action issued July 19, 2005. No further amendments were made to the claims. A Notice of Appeal was filed on November 21, 2005 in response to an Advisory Action issued November 10, 2005. Upon reopening prosecution, a Response to Examiner's Action was filed on May 30, 2006 in response to an Office Action issued February 27, 2006. Claim 17 was amended. A Response to Examiner's Final Action was filed on October 23, 2006 in response to an Office Action issued August 22, 2006. No further amendments were made to the claims. A Notice of Appeal and Request for Pre-Appeal Brief Review were filed on December 21, 2006 in response to an Advisory Action issued November 16, 2006. A Notice of Panel Decision from Pre-Appeal Brief Review issued on May 14, 2007 stating that the appeal is to proceed to the Board of Patent Appeals and Interferences.

SUMMARY OF CLAIMED SUBJECT MATTER

With respect to Independent Claim 1, a method of establishing a traffic flow over a protection path from a source switch 102 to a destination switch 112 through a second set of switches 104-110 in a multi-protocol label switching system (MPLS) data network comprised of a plurality of data switches that are interconnected to form a plurality of data paths from a source node to a destination node through a first set of data switches is provided. (See FIG. 1 and page 7, lines 6-9). The method includes sending a first predetermined message 210, from a first switch 202 to a second switch 204, the first predetermined message 210 establishing at least a working path and a protection path for the traffic flow through the network between the first 202 and second 204 switches. (See FIG. 2 and page 26, lines 5-7). A second predetermined message 214 is sent from the second switch 204 to the first switch 202, the second predetermined message 214 establishing a reverse notification path through the network between the second 204 and the first 202 switches. (See FIG. 2 and page 26, lines 9-11. A third message 220 is sent over the reverse notification path, from the second switch 204 to the first switch 202, in response to the second switch 204 receiving the traffic flow over the working path from the first switch 202 in order to control protection switching by the first switch 202. (See FIG. 2 and page 10, lines 2-5). The third message 220 indicates whether the traffic flow sent on the working path was received intact and on time by the second switch 204. (See FIG. 2 and page 9, lines 1-9).

With respect to Independent Claim 10, a method of routing traffic flow from a working path through a network to a protection path through the network in a multi-protocol label switching system (MPLS) data network comprised of a plurality of data switches that are interconnected to form a plurality of data paths from a source node 102 to a destination node 112 through the data switches 104-110 is provided. (See FIG. 1 and page 7, lines 6-9). The method includes sending a first predetermined control message 210, from a first switch 202 to a second switch 204, the first predetermined control message 210 establishing at least a working path and a separate protection path for the traffic flow through the network between the first 202 and second 204 switches. (See FIG. 2 and page 26, lines 5-7). A second predetermined control message 214 is sent from the second switch 204 to the first switch 202, the second predetermined message 214 establishing a reverse notification path through the network between the second 204 and said first 202 switches. (See FIG. 2 and page 26, lines 9-11. A third message 230 is sent over the reverse notification path from the second switch 204 to the first switch 202 in response to the second switch 204 receiving the traffic flow from the first switch 202 over the working path. (See FIG. 2 and page 10, lines 2-5). The interruption of the third message 230 controls protection switching by the first switch 202. (See FIG. 2 and page 10, lines 5-12).

With respect to Independent Claim 17, a system for establishing a traffic flow over a protection path in a data network is provided. (See FIG. 1 and page 7, lines 10-13). The system includes a plurality of switches 102-112 operable to route the traffic flow in the data network, a first one 102 of the plurality of switches operable to establish a working path and a protection path, a second one 104 of the plurality of switches that is downstream from the first one 102 of the plurality of switches being on the working path. (See FIG. 2 and page 26, lines 5-7). The second one 104 of the plurality of switches is operable to establish a reverse notification path to the first one 102 of the plurality of switches. (See FIG. 2 and page 26, lines 9-11). The second one 104 of the plurality of switches is operable to send a reverse notification message 230 upstream to the first one 102 of the plurality of switches in response to receiving the traffic flow from the first one 102 of the plurality of switches over the working path. (See FIG. 2 and page 10, lines 2-5). The reverse notification message 230 is operable to provide information related to the working path in order to determine whether the traffic flow is to be re-routed from the working path to the protection path. (See FIG. 2 and page 8, lines 17-21). The interruption of the reverse notification message controls protection switching by the first switch. (See FIG. 2 and page 10, lines 5-12).

GROUND S OF REJECTION TO BE REVIEWED ON APPEAL

1. Claims 10, 11, and 13-24 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Published Application No. 2002/0181485 issued to Cao, et al. in view of U.S. Patent No. 6,697,329 issued to McAllister, et al.

2. Claims 1, 2, 4, 5, and 7-9 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Published Application No. 2002/0181485 issued to Cao, et al. in view of U.S. Patent No. 6,697,329 issued to McAllister, et al. and further in view of U.S. Patent No. 6,590,893 issued to Hwang, et al.

3. Claim 3 stands rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Published Application No. 2002/0181485 issued to Cao, et al. in view of U.S. Patent No. 6,697,329 issued to McAllister, et al. and U.S. Patent No. 6,590,893 issued to Hwang, et al. and further in view of U.S. Patent No. 6,594,268 issued to Aukia, et al.

4. Claim 12 stands rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Published Application No. 2002/0181485 issued to Cao, et al. in view of U.S. Patent No. 6,697,329 issued to McAllister, et al. and further in view of U.S. Patent No. 6,594,268 issued to Aukia, et al.

5. Claim 6 stands rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Published Application No. 2002/0181485 issued to Cao, et al. in view of U.S. Patent No. 6,697,329 issued to McAllister, et al. and further in view of U.S. Patent No. 6,452,942 issued to Lemieux.

ARGUMENT

1. Claims 10, 11, and 13-24 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Published Application No. 2002/0181485 issued to Cao, et al. in view of U.S. Patent No. 6,697,329 issued to McAllister, et al. According to M.P.E.P. §2143, to establish a prima facie case of obviousness, three criteria must be met. First, there must be some suggestion or motivation to combine the references. Second, there must be a reasonable expectation of success. Third, the prior art combination of references must teach or suggest all the claim limitations. The Examiner has not established that any criteria for a prima facie case of obviousness has been met in this instance.

First, there is no objective reason provided by the Examiner to combine the Cao, et al. application and the McAllister, et al. patent as proposed. The Examiner has failed to provide an objective reason that would have prompted a person of ordinary skill in the art to combine the Cao, et al. application and the McAllister, et al. patent. The Cao, et al. patent is directed to Internet Protocol flow ring protection switching in a label switched path network where protection switching is performed at a downstream router. The McAllister, et al. patent is directed to operator directed routing of connections in an asynchronous transfer mode network where re-routing is performed by the source node. The Examiner has not cited any objective reason showing any capability for them to be combined. The Examiner merely states that one of ordinary skill in the art would be motivated to provide the feature of the claimed invention, presumably taught by the McAllister, et al. patent, in the Cao, et al. application. The rationale provided by the Examiner for their combination is purely subjective conjecture

and speculation with no objective reasoning being provided to support combining the references as has been proposed. The Examiner is merely taking bits and pieces of unrelated subject matter in an improper hindsight attempt at reconstructing the claimed invention.

The Examiner merely provides a baseless and subjective conclusory "it would have been obvious to combine" statement using improper hindsight reconstruction without any support for such conclusory statements from the point of view of those skilled in the art. A statement that modifications of the prior art to meet the claimed invention would have been well within the ordinary skill of the art at the time the claimed invention was made because the references relied upon teach that all aspects of the claimed invention were individually known in the art is not sufficient to establish a prima facie case of obviousness without some objective reason to combine the teachings of the references. See M.P.E.P. 2143.01. Since the Examiner has used the claim language in a hindsight attempt to support the combination of the references and has not provided any proper reasoning, let alone objective reasoning for the combination of the Cao, et al. application and the McAllister, et al. patent, the burden to establish the first criteria of a prima facie case of obviousness has not been met.

Moreover, the proposed modification changes the principle of operation of the prior art being modified. The Cao, et al. application is designed to perform protection switching at a downstream router in a label switched path network. The McAllister, et al. patent is designed to perform source node re-routing in an asynchronous transfer mode network. Thus, if the source node re-routing technique for an asynchronous transfer mode network was placed into label switched path

network that uses a downstream router to perform protection switching, the functionality of the Cao, et al. application could no longer be achieved. Accordingly, the principle of operation of the Cao, et al. application would be improperly changed by incorporating their respective teachings. The Examiner has yet to explain how the Cao, et al. application and the McAllister, et al. patent can be combined in view of such different functionalities. The Examiner states that it would be obvious or clear to one of ordinary skill in the art to combine the references. However, this subjective opinion provided by the Examiner has not been supported by any objective evidence. Therefore, Applicant respectfully submits that the Examiner has failed to establish the first criteria for a prima facie case of obviousness.

Second, a reasonable expectation of success has not been shown by the Examiner. The combination of the Cao, et al. application and the McAllister, et al. patent would not be capable of performing the operation required by the claimed invention. There is no showing by the Examiner that the functions of any of the Cao, et al. application and the McAllister, et al. patent would be able to operate in a single system. There has also been no showing that the combined references would even be able to perform the functionality of the claimed invention. The proposed combination attempts to combine incompatible processing techniques that have not been shown to be capable of operating according to any degree of predictability. The Cao, et al. application and the McAllister, et al. patent are addressing different problems. The Cao, et al. application of perform protection switching at a downstream router in a label switched path network provides a completely different operation than the source node re-route technique in an asynchronous transfer mode network of the

McAllister, et al. patent. The Examiner, without the improper hindsight look through the claimed invention, has not addressed how the proposed combination of the cited references would have any success whatsoever let alone a reasonable expectation of success. Therefore, Applicant respectfully submits that the Examiner has failed to establish the second criteria for a prima facie case of obviousness.

Third, the Examiner has not shown that the proposed Cao, et al. - McAllister, et al. combination teaches or suggests all of the claim limitations. As for teaching the claimed invention, the Examiner has not been able to show that the Cao, et al. application and the McAllister, et al. patent provide any capability at any of its nodes to determine whether traffic on a data path was received let alone an ability to provide such an indication along a reverse notification path as provided in the claimed invention. Moreover, the Cao, et al. application and the McAllister, et al. patent fail to use the interruption of this traffic indication message to control protection switching at the sending switch. In addition, the Cao, et al. application and the McAllister, et al. patent fail to disclose any capability to indicate that the traffic was received intact and on time.

Independent Claims 10 and 17 recite in general the ability to send a third message over a reverse notification path from a second switch to a first switch in response to the second switch receiving the traffic flow from the first switch over the working path, wherein the interruption of the third message controls protection switching by the first switch. By contrast, the Cao, et al. application performs protection switching at its downstream egress router by transmitting the same data along two different paths and allowing the downstream egress router to choose one of the paths as its

primary source. Thus, there is no controlling of protection switching by a first switch in the Cao, et al. application as required in the claimed invention. Moreover, the Examiner readily admits that the Cao, et al. application does not disclose the sending of the second and third messages of the claimed invention.

To support the deficiency in the Cao, et al. application, the Examiner cites the keep-alive polling process of the McAllister, et al. patent. However, the McAllister, et al. patent requires the constant sending of keep-alive protocol signaling messages and the return of acknowledgment signaling messages independent of the transfer of traffic flow over a working path in a network. The protocol and acknowledgment signaling messages, whether in the form of sequenced protocol message units or separately sequenced poll and stat messages, of the McAllister, et al. patent are not used to establish working or protection paths or a reverse notification path in its network, but merely to determine whether a first node receives a signaling message from a second node to which it can return an acknowledgment signaling message indicating that it is still operational. Moreover, the protocol and acknowledgment signaling messages are sent on direct node to node signaling paths separate from the data path in the network. The McAllister, et al. patent has no capability at any of its nodes to determine whether data on its data path was received let alone an ability to provide such an indication in a message along a reverse notification path as provided in the claimed invention. Any problems occurring in the data path of the McAllister, et al. patent would not be recognized as long as the protocol and acknowledgment messages are sent and received in a proper manner. Accordingly, the protocol and acknowledgment signaling messages have no

relationship with the traffic flow in the network of the McAllister, et al. patent. Thus, the McAllister, et al. patent does not send a third message from a second switch to a first switch in response to traffic flow being received at the second switch from the first switch over a working path that indicates whether traffic flow was received as required by the claimed invention. Moreover, the McAllister, et al. patent does not use the interruption of the third message to control protection switching by the first switch. When the McAllister, et al. patent detects a link failure, the functioning part of the network transmits a signal indicative of the failure and it is this signal that triggers an attempt to re-route the connection along a different path. See col. 10, lines 2-8, of the McAllister, et al. patent.

Moreover, the Cao, et al. application would not be able to use the acknowledgment messages generated by the McAllister, et al. patent as the Cao, et al. application would still perform protection switching at a downstream router by selecting one of two paths carrying the same data. The structure that would result from using the protocol and acknowledgment signaling messages transmitted along a signaling path independent of the data path as disclosed in the McAllister, et al. patent within the MPLS data network of the Cao, et al. application that implements an egress router for selection of one of two data paths carrying the same data would still lack sending of a third message, indicating whether traffic flow was received, by a second switch in response to receiving traffic flow from a first switch so that the first switch can control protection switching as required in the claimed invention.

the Examiner indicates that the claims are obvious from the McAllister, et al. patent in that the layer 3 P-NNI

signaling messages and acknowledgments are part of the traffic flow and are sent in response to traffic flow being received. However, the P-NNI signaling messages of the McAllister, et al. patent relied on by the Examiner in rejecting the claims are part of a signaling link 38 separate and apart from the data link 36. The P-NNI signaling messages establish a polling process for the signaling link 38. The P-NNI signaling messages are independent of whether traffic was received on the data link 36. Thus, the McAllister, et al. patent fails to provide any traffic indication message indicating whether traffic was received on its data link let alone received intact and on time as required in the claimed invention. Moreover, since there is no disclosure for the sending of this traffic indication message, the McAllister, et al. patent cannot control protection switching in response to an interruption of this traffic indication message. Thus, the Examiner's reliance on the McAllister, et al. application contradicts the features of the claimed invention. Therefore, Applicant respectfully submits that Claims 10, 11, and 13-24 are patentably distinct from the proposed Cao, et al. - McAllister, et al. combination.

Thus, the Examiner has failed to establish the third criteria for a prima facie case of obviousness. As a result of the improper combination of the references, the lack of any expectation of success for the combination, and the lack of disclosure in the patents being combined by the Examiner, there is an insufficient basis to support the rejection of the claims.

2. Claims 1, 2, 4, 5, and 7-9 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Cao, et al. in view of McAllister, et al. and further in view of Hwang, et al. Independent Claim 1 recites ". . . the third message indicating whether the traffic flow sent on the working path was received intact and on time by the second switch." The Examiner cites the Hwang, et al. patent to support that a message is sent when data has been received without any errors. However, the Hwang, et al. patent fails to determine whether the data has been received on time as provided in the claimed invention. The Cao, et al. application and the McAllister, et al. patent are also silent with respect to determining whether data has been received on time as well as intact. Moreover, the deficiencies in the combination of the Cao, et al. application and the McAllister, et al. patent discussed above apply equally as well to Independent Claim 1. With respect to the combination with the Hwang, et al. patent, the Hwang, et al. patent discloses resending of data upon not receiving an acknowledgment signal that data was received intact. The functionality of the Hwang, et al. patent would make it incompatible with the Cao, et al. application and the McAllister, et al. patent to justify their combination. Therefore, Applicant respectfully submits that Claims 1, 2, 4, 5, and 7-9 are patentably distinct from the proposed Cao, et al. - McAllister, et al. - Hwang, et al. combination.

3. Claim 3 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Cao, et al. in view of McAllister, et al. and Hwang, et al. and further in view of Aukia, et al. Independent Claim 1, from which Claim 3 depends, has been shown above to be patentably distinct from the proposed Cao, et al. - McAllister, et al. - Hwang, et al. combination. Moreover, the Aukia, et al. patent does not include any additional disclosure combinable with either the Cao, et al. application, the McAllister, et al. patent, or the Hwang, et al. patent that would be material to patentability of these claims. Therefore, Applicant respectfully submits that Claim 3 is patentably distinct from the proposed Cao, et al. - McAllister, et al. - Hwang, et al. - Aukia, et al. combination.

4. Claim 12 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Cao, et al. in view of McAllister, et al. and further in view of Aukia, et al. Independent Claim 10, from which Claim 12 depends, has been shown above to be patentably distinct from the proposed Cao, et al. - McAllister, et al. combination. Moreover, the Aukia, et al. patent does not include any additional disclosure combinable with either the Cao, et al. application or the McAllister, et al. patent that would be material to patentability of these claims. Therefore, Applicant respectfully submits that Claim 12 is patentably distinct from the proposed Cao, et al. - McAllister, et al. - Aukia, et al. combination.

5. Claim 6 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Cao, et al. in view of McAllister, et al. and further in view of Lemieux. Independent Claim 1, from which Claim 6 depends, has been shown above to be patentably distinct from the proposed Cao, et al. - McAllister, et al. combination. Moreover, the Lemieux patent does not include any additional disclosure combinable with either the Cao, et al. application or the McAllister, et al. patent that would be material to patentability of this claim. Therefore, Applicant respectfully submits that Claim 6 is patentably distinct from the proposed Cao, et al. - McAllister, et al. - Lemieux combination.

CONCLUSION

Applicant has clearly demonstrated that the present invention as claimed is clearly distinguishable over all the art cited of record, either alone or in combination, and satisfies all requirements under 35 U.S.C. §§101, 102, and 103, and 112. Therefore, Applicant respectfully requests the Board of Patent Appeals and Interferences to reverse the final rejection of the Examiner and instruct the Examiner to issue a Notice of Allowance of all pending claims.

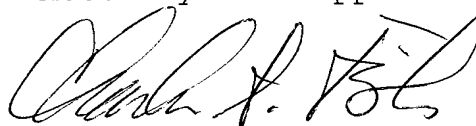
Please charge Deposit Account No. 02-0384 of BAKER BOTTS L.L.P. an amount of \$250.00 to satisfy the appeal brief fee of 37 C.F.R. §41.20(b)(2).

The Commissioner is hereby authorized to charge any fees or credit any overpayments associated with this Application to Deposit Account No. 02-0384 of BAKER BOTTS L.L.P.

Respectfully submitted,

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CLAIMS APPENDIX

1. (Previously Presented) A method for communicating data comprising:

establishing at a cache server a first uniform resource identifier and a header portion associated with a first content item;

caching a second content item corresponding to the first content item, the second content item identified by a second uniform resource identifier, the second uniform resource identifier comprising the first uniform resource identifier and information from the header portion;

receiving a first request at the cache server, the first request requesting the first content item, the first request comprising the first uniform resource identifier and the header portion;

comparing the first uniform resource identifier and the header portion to transform criteria to identify a specific transform associated with the first uniform resource identifier and the header portion, the specific transform defining an action to perform on the first uniform resource identifier and the header portion;

generating a second request based on the specific transform, the header portion, and the first uniform resource identifier, the second request being associated with the second content item, the second request generated by performing the action associated with the specific transform on the header portion and the first uniform resource identifier to yield the second uniform resource identifier; and

retrieving the second content item based on the second uniform resource identifier of the second request.

2. (Previously Presented) The method for communicating data according to Claim 1, wherein:

the header portion comprises a hypertext transport protocol header portion; and

comparing the first uniform resource identifier and the header portion to predefined criteria further comprises:

examining a hypertext transport protocol identifier portion associated with the first content item;

comparing the hypertext transport protocol identifier portion to the criteria;

examining the hypertext transport protocol header portion associated with the first request; and

comparing the hypertext transport protocol header portion to the criteria.

3. (Previously Presented) The method for communicating data according to Claim 2, wherein the predefined criteria comprises match criteria and an associated transform.

4. (Original) The method for communicating data according to Claim 3, wherein the transform comprises at least one rule indicating how to modify the hypertext transport protocol identifier portion associated with the first request to generate the second request.

5. (Original) The method for communicating data according to Claim 3, wherein the transform comprises at least one rule indicating an element associated with the hypertext transport protocol header portion of the first request to be associated with the hypertext transport protocol identifier portion of the second request.

6. (Original) The method for communicating data according to Claim 3, wherein the match criteria comprises at least one entry, each entry comprising a portion of a hypertext transport protocol identifier and comparing the hypertext transport protocol identifier portion to the criteria comprises comparing each entry to the hypertext transport protocol identifier portion of the first request.

7. (Original) The method for communicating data according to Claim 1, wherein retrieving the second content item comprises:

retrieving the second content item based on the second request from the cache server when the second content item is available from the cache server; and

retrieving the first content item based on the first request from the origin server when the second content item is unavailable from the cache server.

8. (Original) The method for communicating data according to Claim 7, wherein the second content item is related to the first content item.

9. (Original) The method for communicating data according to Claim 7, wherein the second content item comprises a version of the first content item customized in response to data in the header portion associated with the first request.

10. (Original) The method for communicating data according to Claim 1, wherein generating the second request comprises:

adding a hypertext transport protocol identifier portion of the first request to a hypertext transport protocol identifier portion of the second request; and

associating an element associated with the header portion associated with the first request with the hypertext transport protocol identifier portion of the second request.

11. (Previously Presented) A system for communicating data comprising:

a computer readable memory;

an application stored in the computer readable memory and operable to:

establish at a cache server a first uniform resource identifier and a header portion associated with a first content item;

cache a second content item corresponding to the first content item, the second content item identified by a second uniform resource identifier, the second uniform resource identifier comprising the first uniform resource identifier and information from the header portion;

receive a first request at the cache server, the first request requesting the first content item, the first request comprising the first uniform resource identifier and the header portion;

compare the first uniform resource identifier and the header portion to transform criteria to identify a specific transform associated with the first uniform resource identifier and the header portion, the specific transform defining an action to perform on the first uniform resource identifier and the header portion;

generate a second request based on the specific transform, the header portion, and the first uniform resource identifier, the second request being associated with the second content item, the second request generated by performing the action associated with the specific transform on the header portion and the first uniform resource identifier to yield the second uniform resource identifier; and

retrieve the second content item based on the second uniform resource identifier of the second request.

12. (Previously Presented) The system for communicating data according to Claim 11, wherein the header portion comprises a hypertext transport protocol header portion and wherein the application is further operable to compare the first uniform resource identifier and the header portion to predefined criteria by:

examining a hypertext transport protocol identifier portion associated with the first request;

comparing the hypertext transport protocol identifier portion to the criteria;

examining the hypertext transport protocol header portion associated with the first request; and

comparing the hypertext transport protocol header portion to the criteria.

13. (Previously Presented) The system for communicating data according to Claim 12, wherein the predefined criteria comprises match criteria and an associated transform.

14. (Original) The system for communicating data according to Claim 13, wherein the transform comprises at least one rule indicating how to modify the hypertext transport protocol identifier portion associated with the first request to generate the second request.

15. (Original) The system for communicating data according to Claim 13, wherein the transform comprises at least one rule indicating an element associated with the hypertext transport protocol header portion of the first request to be associated with the hypertext transport protocol identifier portion of the second request.

16. (Original) The system for communicating data according to Claim 13, wherein the match criteria comprises at least one entry, each entry comprising a portion of a hypertext transport protocol identifier and comparing the hypertext transport protocol identifier portion to the criteria comprises comparing each entry to the hypertext transport protocol identifier portion of the first request.

17. (Original) The system for communicating data according to Claim 11, wherein the application is further operable to:

retrieve the second content item based on the second request from the cache server when the second content item is available from the cache server; and

retrieve the first content item based on the first request from the origin server when the second content item is unavailable from the cache server.

18. (Original) The system for communicating data according to Claim 17, wherein the second content item is related to the first content item.

19. (Original) The system for communicating data according to Claim 17, wherein the second content item comprises a version of the first content item customized in response to data in the header portion associated with the first request.

20. (Original) The system for communicating data according to Claim 11, wherein the application is further operable to:

add a hypertext transport protocol identifier portion of the first request to a hypertext transport protocol identifier portion of the second request; and

associate an element associated with the header portion associated with the first request with the hypertext transport protocol identifier portion of the second request.

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069116.0172

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EVIDENCE APPENDIX

None

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RELATED PROCEEDINGS APPENDIX

None

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CERTIFICATE OF SERVICE

None